3

(1) 10' ROUND VALVE BOX (2) FINISH GRADE

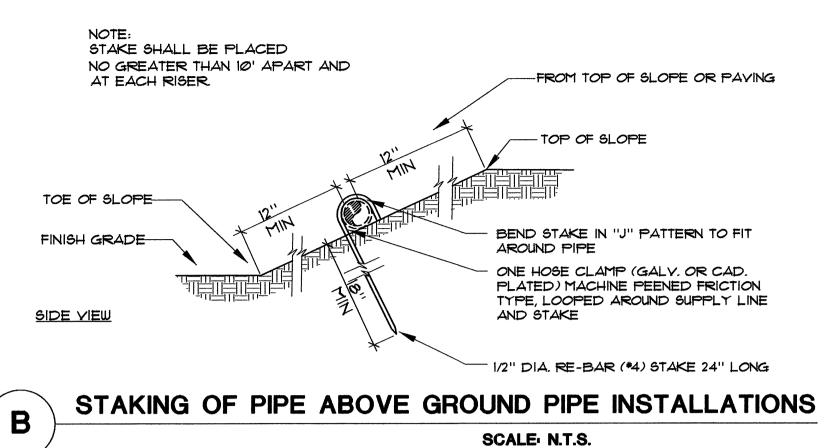
3 AGRICULTURAL PRODUCTS, INC. 1' PYC AIR/YACUUM RELIEF YALVE

7 PVC SCH. 80 NIPPLE 8) 3/4' CRUCHED ROCK SUMP

(4) PRESSURE SUPPLU LINE

AIR VACUUM RELIEF VALVE FOR DRIP SYSTEM

SCALE: N.T.S.



ONE HOSE CLAMP (GALY, OR CAD.

PLATED) MACHINE PEENED FRICTION

TYPE, LOOPED AROUND SUPPLY LINE

-UVR-PVC PIPE

AND STAKE

ELEVATION

PRESSURE REGULATOR / Y-STRAINER ASSEMBLY SCALE: N.T.S.

USE TEFLON TAPE ON ALL

THREADED JOINTS

Y-STRAINER

- BRASS UNION

MAINLINE (COPPER)

1. YERTICAL MULTISTAGE STAINLESS FITTED CENTRIFUGAL PUMP. 2. NEMA 4X SIMPLEX CONTROL PANEL FOR AUTOMATIC OPERATION. 3. BRONZE 1/4 TURN BALL VALVE 4. BRONZE NON-ADJUSTABLE FLOW SWITCH.

5. 2" TYPE "L" COPPER. 6. BRONZE UNION ADAPTER. 7. PRESSURE GAUGE, LIQUID

DAMPENED. 8. MARINE GRADE ALUMINUM ENCLOSURE, HINGED TOP. 9. STRUCTURAL ALUMINUM BASEPLATE.

10. BRASS PIPE, DOUBLE WRAPPED WITH PYC PIPE WRAP 11. BRASS 90 DEG. ELBOW. 12. PVC SCHEDULE 80 MALE ADAPTER. 13. CONCRETE THRUST BLOCKS 6" CUBIC FEET MINIMUM. 14. 4" THICK CONCRETE PAD, ASTM C-94, ACI STD 318-83 MIX, 2500 PSI

FILTER FABRIC TO COVER OPENINGS

GREEN PLASTIC YALVE BOX WITH

FINISH GRADE- I" BELOW YALVE

BOX IN LAWN AND 2" IN SHRUB

SET BLOCK LEVEL ON BRICK

AREAS, CURB OR ASPHALT PAYING

BRASS NIPPLE

LOCKING COVER

COPPER ELLS (TYP.)

SCH. 40 PVC RISER

SUPPORTS, 4 MIN.

SCH. 40 PVC ELL

PVC LATERAL LINE

5" LAYER PEA GRAVEL

RATED 15. MAIN POWER CONDUIT. 16. IRRIGATION CONTROLLER SIGNAL CONDUIT.

WENGEREN WAS AND THE WAY ASK KANK AND THE WAY AND THE SECTION

I. GEARED SHRUB ROTOR W/ CHECK YALVE

2. STAINLESS STEEL STRAPS (2-REQ'D.) 3. UVR-PVC RISER (SIZE AS REQUIRED, 6" LENGTH) 4. UVR-PVC TEE OR ELLBOW

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5. UVR-PVC LATERAL LINE

6. # 4 REBAR "J" HOOK @ 10' O.C. MAX (18" DEPTH) # 4 REBAR SUPPORT (24" LENGTH) T.

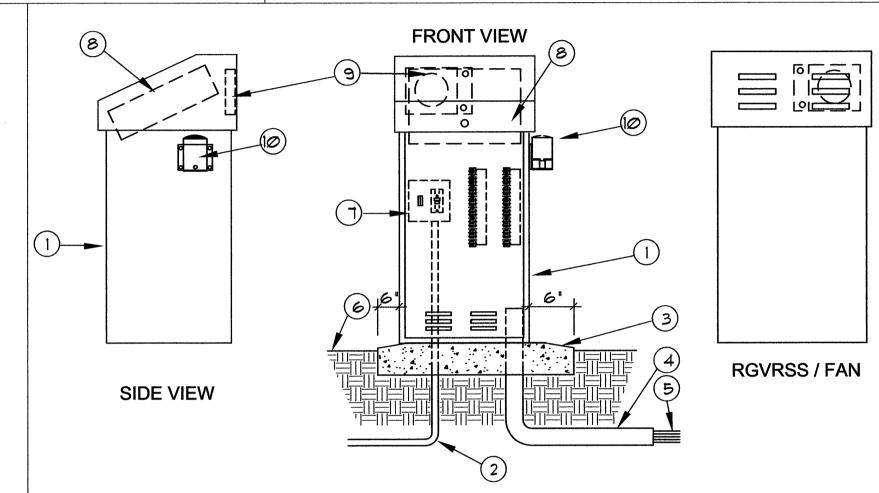
-- RISER TO BE SAME SIZE AS HEAD INLET --HEADS ON TOP OF SLOPE SHALL BE LOW ANGLE

TYPE HEADS.

ROTOR HEAD ON GRADE

8. FINISH SURFACE

SCALE: N.T.S.



CONTROLLER ENCLOSURE

120-YOLT SERVICE IN CONDUIT.

POURED CONCRETE BASE - 6" MIN. THICKNESS - EXTEND CONCRETE 6" BEYOND OUTSIDE DIMENSIONS OF ENCLOSURE WITH 1/2% SLOPE FOR DRAINAGE.

PYC LONG SWEEP ELL - SIZE AS REQUIRED.

DIRECT BURIAL CONTROL WIRES TO CONTROL VALVES.

6. FINISH GRADE.

T. CONTROLLER SUB-ASSEMBLY (CSA) INCLUDES GFI & TERMINAL STRIPS WITH PLACARDS.

8. AUTOMATIC CONTROLLER.

9. FAN 120Y W/BRACKET.

10 RAIN SENSOR IN VANDAL RESISTANT ENCLOSURE, RGYRSS UL LISTED MOUNTED ON SIDE.

RGYRSS

RAINGAUGE ENCLOSURE INSTALLED ON MAIN CABINET SIDE. CARRIAGE BOLTS MOUNT RGYRSS TO CABINET WITH NEOPRENE GASKET BETWEEN UNIT AND CABINET FOR UL LISTING

RGYRSS BUILT OF 304 STAILESS STEEL TO HOUSE MINI-CLIK-C TYPE SENSORS.

<u>FAN</u>

FAN, THERMOSTAT, GUARD AND BRAKET INSTALLED IN TOP LID AT LOUVER TO MOVE AIR ACROSS INTERNAL COMPONENTS, COOLING FAN HAS THERMOSTAT WHICH IS PRESET OR ADJUSTABLE TO OPERATE.

VICKI ESTRADA

CONTROLLER / ENCLOSURE DETAIL

SCALE: N.T.S.

G

(1) INSERT X MIP 90 ELL

3 FINISH GRADE

(1 CU. FT.)

FLUSH VALVE

FOR DRIP SYSTEM

2) 10" ROUND YALVE BOX

BRAND 'FLUSH' ON LID

(4) PVC BALL VALVE (FT X FT)

(5) MIP X FIP SCH. 40 PVC ELL

7) 3/4" CRUSHED GRAVEL SUMP

(8) FIP X FIP SCH. 40 PVC ELL

9 PYC LATERAL LINE PIPE

10 SLIP X MIPT SCH. 40 PVC

(I) 18' × 1/2' DIA FLEX HOSE

SCALE: N.T.S.

6 SCH 80 PVC NIPPLE LENGTH AS REQUIRED

BARRETT ENGINEERED PUMP A, B AND C

SCALE: N.T.S.



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BEYOND ENGINEERING

SAN DIEGO GAS & ELECTRIC COMPANY REVISIONS CONSTRUCTION DOCUMENTS SAN DIEGO, CALIFORNIA DATE: BY: APP'D: NO. DATE: BY: APP'D: WORK DONE DATE: BY: APP'D: NO. WORK DONE DATE: BY: APP'D: NO. WORK DONE SUNCREST SUBSTATION 3.24.10 ELP CONSTRUCTION DOCUMENTS IRRIGATION DETAILS DRAWN BY: K.N. DATE: 3/24/10 SCALE: 1"=30' W.O.: - REV.: CHECKED BY: S.M. DATE: 3/24/10 SCR-C-113 APPROVED BY: V.E. DATE: 3/24/10 SHEET 13 OF 27 CAD NO.: 511-04 PLOT SCALE: 1:1